

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	779	(433/90,91,95).CLS	US- PGPUB; USPAT; USOCR	OR	OFF	2010/09/01 13:48
L2	1	11 and pump and piston	US- PGPUB; USPAT; USOCR	OR	OFF	2010/09/01 13:49
L3	11	11 and pump and piston	US- PGPUB; USPAT; USOCR	OR	OFF	2010/09/01 13:50
S1	1	"20060093989"	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 15:13
S2	1	("4220446").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 15:32
S3	1	("6030215").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 15:32
S4	1	("6997883").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 15:35
S5	31270	("433").CLAS.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 15:37
S6	11811	cannula and pump	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 15:37
S7	35	S5 and cannula and pump	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 15:37

S8	30	"0593446" "1166739" "1484920" "3144867" "3580429" "4098434" "4655198" "4787845" "4863380" "5086756" "5098291" "5273428" "5286192" "5697784" "5700146". PN. OR ("6030215"). URPN.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 15:50
S9	53	syringe and pump same reversible and cannula	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 15:52
S10	26	syringe and piston same reversible and cannula	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/17 15:57
S11	17	"4184175" "4215698" "4479499" "4665621" "4836206" "4854157" "4995403" "5040539" "5219388" "5259761" "5603817" "5766137" "5865769" "6053731" "6201880" "6264470". PN. OR ("6997883"). URPN.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 07:55
S12	30	"0593446" "1166739" "1484920" "3144867" "3580429" "4098434" "4655198" "4787845" "4863380" "5086756" "5098291" "5273428" "5286192" "5697784" "5700146". PN. OR ("6030215"). URPN.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 08:22
S13	1009	(433/80,89). CCLS	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 08:25
S14	131	S13 and suction	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 08:26
S15	436	(601/162,163,164,165). CCLS	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 08:35
S16	446	(604/19). CCLS	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 08:44
S17	14	"2287209" "2754590" "3277894" "3724076" "4386911". PN. OR ("4617918"). URPN.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 09:02
S18	14	"20030207231" "4019254" "4229168" "4492574" "4505676" "4617918" "4681545" "4818229" "5116227" "5320530" "5567153" "5868570" "6050818" "6162202". PN. OR ("6948935"). URPN.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 09:03

S19	1459291	(S15 or S16 or S13) and syringe and motor and battery amd electronic\$1	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 10:09
S20	7	(S15 or S16 or S13) and syringe and motor and battery and electronic\$1	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 10:09
S21	69	(S15 or S16 or S13) and syringe and drive and control	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 10:11
S22	21	(S15 or S16 or S13) and syringe same ((electric or electronic\$1) and control)	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 10:20
S23	1566	syringe same ((electric or electronic\$1) and control)	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 10:21
S24	499	syringe same ((electric or electronic\$1) and control and piston)	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 10:22
S25	206	syringe same ((electric or electronic\$1) and control and piston) and (suction or vacuum)	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 10:39
S26	1	(S15 or S16 or S13) and compressed adj air near4 pulse	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 10:57
S27	116	(S15 or S16 or S13) and compressed adj air	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 10:58
S28	433580	piston and spring nad compressed adj air	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 11:15
S29	35523	piston and spring and compressed adj air	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 11:16

S30	30	(S15 or S16 or S13) and syringe same autoclav\$4	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 11:23
S31	52	(S15 or S16 or S13) and syringe and autoclav\$4	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 11:29
S32	8	(S15 or S16 or S13) and syringe and electric adj motor and battery	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 11:30
S33	1	(S15 or S16 or S13) and (actuating adj piston) same (compression adj spring)	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 11:40
S34	16	(S15 or S16 or S13) and (piston) same (compression adj spring)	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 11:40
S35	3	(S15 or S16 or S13) and (piston) same (compression adj spring) and compressed adj air	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 11:41
S36	1009	(433/80,89).CCLS	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 16:19
S37	436	(601/162,163,164,165).CCLS	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 16:19
S38	446	(604/19).CCLS	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 16:19
S39	1	(S37 or S38 or S36) and piston and compression adj spring and compressed adj air and pressure adj chamber	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 16:19
S40	3	(S37 or S38 or S36) and piston and compression adj spring and compressed adj air	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 16:19

S41	13	(S37 or S38 or S39) and piston and spring and compressed adj air	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/22 16:25
S42	1009	(433/80,89).CCLS	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/23 07:29
S43	436	(601/162,163,164,165).CCLS	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/23 07:29
S44	446	(604/19).CCLS	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/23 07:29
S45	116	(S43 or S44 or S42) and compressed adj air	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/23 07:29
S46	19	(S43 or S44 or S42) and compressed adj air and piston\$1	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/23 07:31
S47	1105	compressed adj air and piston\$1 and spring and (dental or medical) and pressure	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/23 07:36
S48	56	compressed adj air and piston\$1 and spring and (dental or medical) near4 handpiece and pressure	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/23 07:36
S49	1	("5470305").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/23 07:41
S50	1	S49 and piston\$1 and spring and compressed adj air	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/23 07:44
S51	31283	("433").CLAS.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/23 07:59

S52	90	(S51 or S43 or S44) and piston same spring same air same pressure	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/23 08:00
S53	2328227	(S51 or S43 or S44) and compressed air	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/23 08:09
S54	971	(S51 or S43 or S44) and compressed adj air	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/23 08:09
S55	105	(S51 or S43 or S44) and compressed adj air and piston\$1 and spring	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/23 08:10
S56	111	(S51 or S43 or S44) and compressed adj air and piston\$1 and spring\$1	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/23 08:10
S57	36	((RAINER) near2 (HAHN)).INV.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/23 09:20
S58	1	(US-4617918-\$).did.	USPAT	OR	OFF	2008/09/23 09:21
S59	2	((ULRI CH) near2 (PRAGER)).INV.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/23 09:22
S60	17	("4184175" "4215698" "4479499" "4665621" "4836206" "4854157" "4995403" "5040539" "5219388" "5259761" "5603817" "5766137" "5865769" "6053731" "6201880" "6264470").PN. OR ("6997883").URPN.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/09/23 09:37
S61	659	(STORAGE AND PUMP AND CANNULA AND PISTON)	US- PGPUB; USPAT; USOCR	OR	OFF	2009/06/08 14:16
S62	358	(STORAGE AND PUMP AND CANNULA AND PISTON AND FLOW AND SYRINGE)	US- PGPUB; USPAT; USOCR	OR	OFF	2009/06/08 14:24
S63	234	(STORAGE AND PUMP AND CANNULA AND PISTON AND FLOW AND SYRINGE AND REVERSES\$4)	US- PGPUB; USPAT; USOCR	OR	OFF	2009/06/08 14:26

S64	65	(STORAGE AND PUMP AND CANNULA AND PISTON AND FLOW AND SYRINGE AND REVERS\$4 AND (CHECK ADJ VALVE))	US- PGPUB; USPAT; USOCR	OR	OFF	2009/06/08 14:28
S65	30	("0593446" "1166739" "1484920" "3144867" "3580429" "4098434" "4655198" "4787845" "4863380" "5086756" "5098291" "5273428" "5286192" "5697784" "5700146").PN. OR ("6030215").UPPN.	US- PGPUB; USPAT; USOCR	OR	OFF	2009/06/08 14:39
S66	1	("6030215").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2009/06/08 15:26
S67	0	(check adj valve) and (revers\$4 near4 pump) and syringe and cannula	US- PGPUB; USPAT; USOCR	OR	OFF	2009/06/08 15:35
S68	8	(check adj valve) and (revers\$4 near4 pump) and syringe and cannula	US- PGPUB; USPAT; USOCR	OR	OFF	2009/06/08 15:35
S69	22	(check adj valve) and (revers\$4 near4 pump) and hand and cannula	US- PGPUB; USPAT; USOCR	OR	OFF	2009/06/09 09:39
S70	26	(check adj valve) and (pump same (supplie\$1 and withdraw\$1)) and hand and cannula	US- PGPUB; USPAT; USOCR	OR	OFF	2009/06/09 09:43
S71	37	("1486656" "1986343" "2825334" "3542240").PN. OR ("3827601").UPPN.	US- PGPUB; USPAT; USOCR	OR	OFF	2009/06/09 09:46
S72	1	("6997883").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2009/06/09 11:28
S73	17	("4184175" "4215698" "4479499" "4665621" "4836206" "4854157" "4995403" "5040539" "5219388" "5259761" "5603817" "5766137" "5865769" "6053731" "6201880" "6264470").PN. OR ("6997883").UPPN.	US- PGPUB; USPAT; USOCR	OR	OFF	2009/06/09 11:28
S74	1053	(double near4 piston near3 pump))	US- PGPUB; USPAT; USOCR	OR	OFF	2009/06/09 11:57

S75	1053	(double near4 piston near3 pump)	US- PGPUB; USPAT; USOCR	OR	OFF	2009/06/09 11:57
S76	2	(double near4 piston near3 pump) and dental	US- PGPUB; USPAT; USOCR	OR	OFF	2009/06/09 11:57
S77	40	(double near4 piston near3 pump) and medical	US- PGPUB; USPAT; USOCR	OR	OFF	2009/06/09 12:02
S78	7729	(604/38,27,30,33,35,131,135,151,152,154,155,173,181,207,208,232,246,247).CCL5	US- PGPUB; USPAT; USOCR	OR	OFF	2010/02/19 10:42
S79	2	S78 and (pump and piston and plunger)	US- PGPUB; USPAT; USOCR	OR	OFF	2010/02/19 10:42
S80	606	S78 and (pump and piston and plunger)	US- PGPUB; USPAT; USOCR	OR	OFF	2010/02/19 10:42
S81	0	S78 and (pump and suction)	US- PGPUB; USPAT; USOCR	OR	OFF	2010/02/19 11:22
S82	918	S78 and (pump and suction)	US- PGPUB; USPAT; USOCR	OR	OFF	2010/02/19 11:23
S83	293	S78 and (pump and suction and piston)	US- PGPUB; USPAT; USOCR	OR	OFF	2010/02/19 11:27
S84	1190	S78 and (pump and piston)	US- PGPUB; USPAT; USOCR	OR	OFF	2010/02/19 11:28
S85	493	S78 and (pump same revers\$4)	US- PGPUB; USPAT; USOCR	OR	OFF	2010/02/19 12:40

S86	608	S78 and ((bore or hole) same piston)	US- PGPUB; USPAT; USOCR	OR	OFF	2010/02/19 13:02
S87	38	S78 and ((bore or hole) same piston) and (pump same revers\$4)	US- PGPUB; USPAT; USOCR	OR	OFF	2010/02/19 13:02
S88	0	(128/dig1).CCLS.	US- PGPUB; USPAT; USOCR	OR	OFF	2010/02/19 13:09
S89	52352	("128").CLAS.	US- PGPUB; USPAT; USOCR	OR	OFF	2010/02/19 13:12
S90	5309	S89 and (dig S78)	US- PGPUB; USPAT; USOCR	OR	OFF	2010/02/19 13:12
S91	3786	((222/628,319,333,372,383.1).CCLS.	US- PGPUB; USPAT; USOCR	OR	OFF	2010/02/22 07:21
S92	932	S91 and (pump and piston)	US- PGPUB; USPAT; USOCR	OR	OFF	2010/02/22 07:33
S93	249	S91 and (pump same revers\$4)	US- PGPUB; USPAT; USOCR	OR	OFF	2010/02/22 07:49
S94	91	S91 and (pump near4 revers\$4)	US- PGPUB; USPAT; USOCR	OR	OFF	2010/02/22 07:50
S95	7	("20040026457" "20050109797" "20060065675" "20070131799" "20070246573" "5024355" "5207659").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2010/02/22 07:57
S96	875	(reversible near2 pump) and piston and (check adj valve)	US- PGPUB; USPAT; USOCR	OR	OFF	2010/02/22 08:01

S97	471	(reversible near2 pump) and piston and (check adj valve) and (hand or handpiece)	US- PGPUB; USPAT; USOCR	OR	OFF	2010/02/22 08:01
S98	1	("6602071"). PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2010/02/22 12:56
S99	1030	(433/80,81). CCLS.	US- PGPUB; USPAT; USOCR	OR	OFF	2010/08/26 11:27
S100	135	S99 and pump and valve	US- PGPUB; USPAT; USOCR	OR	OFF	2010/08/26 11:28
S101	3838	(222/628,319,333,372,383.1). CCLS.	US- PGPUB; USPAT; USOCR	OR	OFF	2010/08/26 11:35
S102	1255	S101 and pump and valve	US- PGPUB; USPAT; USOCR	OR	OFF	2010/08/26 11:36
S103	3	S101 and pump and valve and cannula	US- PGPUB; USPAT; USOCR	OR	OFF	2010/08/26 11:36
S104	828	S101 and pump and valve and piston	US- PGPUB; USPAT; USOCR	OR	OFF	2010/08/26 11:36
S105	0	(128/1). CCLS.	US- PGPUB; USPAT; USOCR	OR	OFF	2010/08/26 11:48
S106	0	(128/dig1). CCLS.	US- PGPUB; USPAT; USOCR	OR	OFF	2010/08/26 11:49
S107	8098	(604/38,27,30,33,35,131,135,151,152,154,155,173,181,207,208,232,246,247). CCLS.	US- PGPUB; USPAT; USOCR	OR	OFF	2010/08/26 11:50

S108	1	S107 and (pump and valve and piston)	US- PGPUB; USPAT; USOCR	OR	OFF	2010/08/26 11:50
S109	891	S107 and (pump and valve and piston)	US- PGPUB; USPAT; USOCR	OR	OFF	2010/08/26 11:50
S110	38	((RAINER) near2 (HAHN)).INV.	US- PGPUB; USPAT; USOCR	OR	OFF	2010/08/26 12:11
S111	4	((ULRICH) near2 (PRAGER)).INV.	US- PGPUB; USPAT; USOCR	OR	OFF	2010/08/26 12:12

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	5	{433/90,91,95}.CQLS.	UPAD	OR	OFF	2010/09/01 14:06
S112	4	{433/80}.CQLS.	UPAD	OR	OFF	2010/08/26 11:55
S113	0	{cannula and pump and container and piston and handpiece} dlm.	USPAT, UPAD	OR	OFF	2010/08/26 11:56

9/1/2010 2:17:35 PM

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